

1949

CHELMSFORD
RURAL DISTRICT COUNCIL

ANNUAL REPORT

OF THE

MEDICAL OFFICER of HEALTH

(JOHN F. MACDONALD, M.D., D.P.H.)

(Barrister-at-Law)

FOR

1948.

SOUTHEND :

W. H. Houldershaw, Ltd., Printers, 49-55, London Road,

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LONDON ROAD,
CHELMSFORD.

30th June, 1949.

To the Chairman and Members of the Chelmsford Rural District Council.

MR. CHAIRMAN, LADIES AND GENTLEMEN,

I have the honour to present for your consideration the Annual Report on the health and sanitary circumstances of your District during the year 1948.

The Death Rate for the year per 1,000 population was 9.6 compared with 11.6 for 1947, and the Birth Rate was 18.8 compared with 21.4 for the previous year.

The number of cases of infectious diseases was not above the average.

On 31st May, 1949, Mr. H. H. Gowers, Clerk to the Council for 19 years, ended his 49 years service with the Council. During the last 35 years of his service I was a colleague of his and throughout that period received from him helpful co-operation.

May I record my appreciation of his willing advice and assistance during our happy association.

To my colleagues I am much indebted for valuable assistance, and to Mr. Denton Ogden for helping in the preparation of this Report.

For the sympathetic consideration of the Council, I wish to express my thanks.

Your obedient servant,

JOHN F. MACDONALD.

STAFF.

Clerk to the Rural District Council : H. H. Gowers.

Deputy Clerk to the Rural District Council : C. R. Plumtree.

Financial Officer to the Rural District Council : M. W. Butcher.

PUBLIC HEALTH DEPARTMENT.

Medical Officer of Health : John F. Macdonald, M.D., D.P.H.
(also Medical Officer of Health for the Rural Districts of Maldon and Rochford).

Clerk to Medical Officer of Health : W. D. Hall.

CHIEF SANITARY INSPECTOR'S DEPARTMENT.

Chief Sanitary Inspector and Petroleum Inspector :*

A. Denton Ogden, M.B.E., F.R.San.I., F.S.I.A.

Sanitary Inspectors :—*

T. H. C. Bartrop, M.R.San.I., M.S.I.A.,

L. W. Eckersley, M.R.San.I., M.S.I.A.

P. E. Kinton, M.R.San.I., M.S.I.A.

Clerk : F. B. Brewster.

Clerk : R. H. Hawkes.

*Qualified Inspectors of Meat and other Foods, Royal Sanitary Institute.

ENGINEER'S DEPARTMENT.

Engineer and Surveyor : W. E. Bunker, M.Inst., M. & C.E.
M.R.San.I.

Deputy Engineer and Surveyor : P. Dendy, A.M.I.Mun.E.,
M.R.S.I., A.M.Inst.H.E.

Assistant Engineer and Surveyor : D. C. Pinder.

HOUSING ESTATES DEPARTMENT.

Estates Surveyor : E. Ollett.

CHELMSFORD RURAL DISTRICT

STATISTICS AND SOCIAL CONDITIONS OF THE AREA

Area (acres) 86,590 (land and inland waters.)

Population (estimated, June 1948) 38,490

Population (estimated, Dec. 1948) 38,740

Population, 1931 (census) 27,836 (13,628 males; 14,208 females).

Number of families or separate occupiers (1931) 7,441

Number of houses on 31st December, 1948 ... 11,053

The rateable value of the district for the half-year commencing—

1st April, 1948, was £195,529

1st April, 1949, was £205,242

The sum represented by a penny rate, year ended

| | | | | | | | |
|------------------|-----|-----|-----|-----|------|----|----|
| 31st March, 1948 | ... | ... | ... | ... | £803 | 10 | 10 |
| 31st March, 1949 | ... | ... | ... | ... | £825 | 3 | 0 |

Social Conditions.

The chief occupation in the District is still agriculture. The male working population in this and associated occupations at the 1921 census was 45 per cent total male working population, and in 1931, 35 per cent. This latter figure is still a substantial proportion of the male working population. A number residing in the parishes adjacent to the Borough of Chelmsford are employed in industrial works in the borough.

EXTRACTS FROM VITAL STATISTICS OF THE YEAR

| | | Total | Male | Female | |
|--------------|------------------|-------|------|--------|------------------------|
| Live Births | Legitimate ... | 692 | 361 | 331 | Birth-rate (R.G.) 18.8 |
| | Illegitimate ... | 34 | 13 | 21 | |
| Still Births | Legitimate ... | 15 | 8 | 7 | Rate per 1,000 births |
| | Illegitimate ... | — | — | — | 21.0 |
| Deaths | ... | 371 | 196 | 175 | Death-rate (R.G.) 9.6 |

Deaths from puerperal causes :—

| | | | |
|---|-----|-----|-----|
| From Puerperal and post-abortive sepsis | ... | ... | Nil |
| Other Maternal causes | ... | ... | 2 |

Number of deaths of infants under 1 year of age :—

Males, 12. Females, 6

Death-rate of infants under 1 year of age :—

| | | | | |
|---|-----|-----|-----|------|
| All infants per 1,000 live births | ... | ... | ... | 24.7 |
| Legitimate infants per 1,000 legitimate live births | ... | | | 25.9 |
| Illegitimate infants per 1,000 illegitimate live births | | | | — |

Deaths from Cancer (all ages) 81

Deaths from Measles (all ages) Nil.

Deaths from Whooping Cough (all ages) Nil.

Deaths from Diarrhoea (under 2 years of age) Nil.

Comparative Table of Birth and Death Rates During the Year, 1948.

| | | Rate per 1,000 Resident Population | | Deaths under One Year per 1,000 registered Live Births |
|--|---------|------------------------------------|------------------------|--|
| | | Live Births | Deaths from all causes | |
| England and Wales | | 17.9 | 10.8 | 34 |
| 126 County Boroughs and Great Towns, including London | | 20.0 | 11.6 | 39 |
| 148 Smaller Towns with resident population of from 25,000 to 50,000 at 1931 Census | | 19.2 | 10.7 | 32 |
| Chelmsford Rural District | | 18.8 | 9.6 | 24 |

The deaths classified according to age were as follows :—

| | | Number of Deaths | | | |
|---------------|---------|-----------------------|--|---|----------------------|
| | | Occurring in district | Of non-residents occurring in district | Of residents occurring outside district | Allotted to district |
| Under 1 year | | 7 | — | 11 | 18 |
| 1 and under 2 | | 1 | — | — | 1 |
| 2 " | 5 | 3 | — | 3 | 6 |
| 5 " | 15 | 3 | 1 | 2 | 4 |
| 15 " | 25 | 6 | 5 | 2 | 3 |
| 25 " | 35 | 12 | 10 | 6 | 8 |
| 35 " | 45 | 13 | 6 | 4 | 11 |
| 45 " | 55 | 16 | 6 | 14 | 24 |
| 55 " | 65 | 42 | 21 | 26 | 47 |
| 65 " | 75 | 74 | 25 | 26 | 75 |
| 75 and over | | 152 | 58 | 50 | 174 |
| | | | 28 | | |
| Totals | | 329 | 102 | 144 | 371 |

Natural increase of population, namely, the excess in the number of live births over the number of deaths, since 1937 is shown in the following tabular statement.

| Year | Number of Births | | Deaths | Increase | |
|------|---------------------|-----|--------|----------|-----|
| 1937 | ... | 460 | ... | 370 | ... |
| 1938 | ... | 485 | ... | 340 | ... |
| 1939 | ... | 497 | ... | 357 | ... |
| 1940 | ... | 518 | ... | 419 | ... |
| 1941 | ... | 478 | ... | 416 | ... |
| 1942 | ... | 600 | ... | 372 | ... |
| 1943 | ... | 584 | ... | 387 | ... |
| 1944 | ... | 670 | ... | 427 | ... |
| 1945 | ... | 586 | ... | 358 | ... |
| 1946 | ... | 693 | ... | 396 | ... |
| 1947 | ... | 770 | ... | 428 | ... |
| 1948 | ... | 726 | ... | 371 | ... |

The following table classifies the deaths according to cause and sex—

| Cause of Death | Males | Females | Total |
|---------------------------------------|------------|------------|------------|
| Typhoid and Paratyphoid Fevers | — | — | — |
| Measles | — | — | — |
| Scarlet Fever | — | — | — |
| Whooping Cough | — | — | — |
| Diphtheria | — | — | — |
| Influenza | 1 | — | 1 |
| Ac. Poliomyelitis & Polioencephalitis | — | — | — |
| Acute Inf. Encephalitis | — | — | — |
| Cerebro Spinal Fever | 1 | — | 1 |
| Tuberculosis of respiratory system | 5 | 1 | 6 |
| Other tuberculosis | 1 | — | 1 |
| Syphilitic Diseases... | 2 | 2 | 4 |
| Cancer | 50 | 31 | 81 |
| Diabetes | — | 1 | 1 |
| Intra-cranial vascular lesions ... | 23 | 30 | 55 |
| Heart disease | 34 | 42 | 76 |
| Other circulatory diseases ... | 14 | 7 | 21 |
| Bronchitis | 9 | 6 | 15 |
| Pneumonia (all forms) | 9 | 10 | 19 |
| Other respiratory diseases ... | 3 | — | 3 |
| Ulcer of stomach and duodenum | 1 | 1 | 2 |
| Diarrhoea (under 2 years) ... | — | — | — |
| Appendicitis | — | — | — |
| Other digestive diseases | 3 | 4 | 7 |
| Nephritis | 3 | 2 | 5 |
| Puerperal and post Abortive Sepsis | — | — | — |
| Other Maternal Causes | — | 2 | 2 |
| Malformation, etc. | 5 | 5 | 10 |
| Premature Birth | 6 | 1 | 7 |
| Suicide | 4 | — | 4 |
| Road traffic accidents | 3 | 1 | 4 |
| Other violent causes | 6 | 2 | 8 |
| All other causes | 13 | 27 | 40 |
| TOTALS ... | 196 | 175 | 371 |

GENERAL PROVISION OF HEALTH SERVICES FOR THE AREA.

The Rural District Council consists of 49 elected members and meets monthly. There are several Committees dealing with Public Health matters, which meets on the 2nd and 3rd Tuesday of each month. The Committees' reports are presented at the following Council Meeting—4th Tuesday in each month. The Minutes of the Council are printed and distributed to members.

LIST OF COMMITTEES.

General Purposes and Staffing.

Finance.

Buildings and Planning.

Public Health.

Housing.

Re-Housing.

Slum Clearance.

Estates Management.

Drainage and Water.

Rating and Valuation.

Fuel and Lighting Advisory.

Catering.

Community Centres.

The Council is represented on the :—

Chelmsford Area Assessment Committee.

Chelmsford Joint Sewerage Committee.

South-East Essex Superannuation Joint Committee.

Chelmsford Area Guardians Committee.

Road Safety Joint Committee.

Traffic Committee

Ministry of Labour Employment Committee.

Mid-Essex Regional Planning Committee.

Chelmsford and District Tuberculosis After Care Association.

Rural District Council's Association (Essex Branch).

Chelmsford and District Youth Committee.

Essex County Branch Rural District Councils Association.

Divisional Education Committee.

Midwives. None is subsidised by the District Council. There were 13 midwives and 1 district nurse practising in the district at the end of 1948. In addition two midwives were in private practice.

Laboratory Facilities.

These services are provided by the County Council and at St. John's Hospital, Chelmsford.

Hospitals.

These are now administered by Hospital Boards.

Maternity and Child Welfare is administered by the County Council.

Registered Nursing Homes. These are administered by the Essex County Council. There are 3 in the district.

Diabetic Treatment. This is now provided under the National Health Service Act, 1946.

British Restaurants. During the war, the District Council inaugurated two British Restaurants—one in Great Baddow and one in Writtle. These are still functioning and, during the last twelve months, provided the following meals:—

| | Great Baddow | Writtle |
|---------------------------------------|--------------|---------|
| Main meals supplied to the public ... | 31,353 | 37,251 |
| Main meals supplied to schools ... | 77,199 | 31,243 |

Ambulance Facilities. As from 5th July, 1948 these are provided by the County Council.

Mortuaries. There is a mortuary for infectious cases at the Isolation Hospital, Great Baddow. A modern mortuary is available at St. John's Hospital, Chelmsford.

Clinics and Treatment Centres. These are provided by the Essex County Council as given in the following tabular statement :—

MATERNITY AND CHILD WELFARE CENTRES.

| Centre | Address | Sessions (Monthly) |
|--------------------|--|---|
| Roxwell | Village Hall, Boyton x Mil- itia Camp | 2nd Thursday, 2.30 p.m. |
| Highwood | Iron Room | 3rd Wednesday, 2.30 p.m. |
| Good Easter ... | Village Hall | Last Thursday, 2.30 p.m. 2 p.m.—4 p.m. |
| Downham | Women's Institute Hall | 1st Friday, 2 p.m. |
| Daubury | Village Hall | 1st & 3rd Thursdays, 2 p.m. |
| Broomfield ... | Church Room | 1st Thursday, 2 p.m. & 3rd Thursday. No Doctor. |
| Galleywood ... | Keene Memorial Hall ... | 3rd Tuesday, 2 p.m.— 4 p.m. |
| Writtle | Village Hall | 4th Tuesday, 2.30 p.m. |
| Rettendon | Village Hall | 3rd Wednesday, 2 p.m. |
| Ingatestone ... | Workmen's Club ... | 2nd and 4th Fridays, 2 p.m. |
| Great Baddow ... | Parish Hall | 2nd and 4th Thursdays, 2 p.m. |
| Little Waltham ... | Chapel School Room ... | 1st Tuesday, 2 p.m. |
| Stock | Congregational Schoolroom | 3rd Thursday, 2 p.m. |
| Woodham Ferrers | Congregational Schoolroom | 2nd Monday, 2 p.m. |
| Boreham | Village Hall | 2nd Tuesday, 2 p.m. |
| Boreham Aerodrome | Hut 16, Site 2 ... | 3rd Monday, 2 p.m. & 4th Monday, 2.30 p.m. |

ANTE-NATAL CLINIC.

Chelmsford and Essex Hospital, London Road, Chelmsford, Tuesdays,
2.15 p.m.

Rettendon, Village Hall, 1st Wednesday, 10 a.m.

Women's Welfare Clinic, Special Clinic, New Writtle Street, Chelmsford,
2nd and 4th Thursdays, 10 a.m.

Boreham Aerodrome, Hut 16, Site 2, (Midwives Clinic), no Doctor, 4th
Tuesday, 2 p.m.

TUBERCULOSIS DISPENSARY.

Address :
Essex County Council Hospital
Broomfield, Chelmsford.

Hours of Session :
Mondays and Wednesdays,
10—12 noon.

VENEREAL DISEASES.

Treatment is available at the Chelmsford and Essex Hospital, London
Road, Chelmsford, and at Essex County Hospital, Colchester.

MINOR AILMENT CLINIC.

Coval Lane, Chelmsford, Monday and Friday mornings.

*OPHTHALMIC CLINIC.

Coval Lane, Chelmsford, 5, Market Road, Chelmsford.

DENTAL CLINIC.

5, Market Road, Chelmsford. Coval Lane, Chelmsford.

*CHILD GUIDANCE CLINIC.

"Highfields," London Road, Chelmsford.

*SPEECH CLINIC.

5, Market Road, Chelmsford.

* Children can be seen by appointment on application to the Divisional
School Medical Officer, Coval Lane, Chelmsford.

WATER SUPPLY.

By the end of 1948, a piped water supply under pressure was available throughout the District for 90.7 per cent of the houses and 82.5 per cent are supplied from the mains (5.4 per cent from communal standpipes).

There are 9.3 per cent of the houses in the District where a piped main water supply is not available. Details, classified according to parish, are given in the table on page 15.

If the proposed main extensions submitted to the Ministry of Health for approval are carried out, a further 4 per cent of the houses in the District will have a piped main water supply available. Details of the proposed extensions are given on pages 18 and 19.

The following table includes living huts on Government Airfields and Sites. The table does not include any new houses which may be occupied or in the course of erection but are not yet in the Valuation List.

The large number (441) of communal standpipes is due to the number of hutments.

| Parish | Total | Number of Houses and Hutsments | | | | Where Mains are not Available | |
|--------------------|--------|--------------------------------|----------|-------------------------------|-------|--|--|
| | | With Water Laid on | | With Communal Standpipe | | | |
| | | With Water Laid on | Domestic | Domestic and Trade | Trade | | |
| Great Baddow SPA | 1,517 | 1,469 | — | 19 | 13 | 40 | |
| '', OSPA | 389 | 301 | 7 | 5 | 17 | 29 | |
| Little Baddow | 297 | 234 | — | 10 | 8 | 6 | |
| Boreham | 427 | 229 | 80 | 4 | 8 | 28 | |
| Broomfield | 552 | 484 | — | 3 | 4 | 17 | |
| Chignal | 126 | 69 | 18 | — | 3 | 6 | |
| Danbury | 773 | 661 | 38 | 13 | 18 | 6 | |
| Good Easter | 120 | 74 | — | — | 3 | 28 | |
| East Hanningfield | 125 | 89 | — | 1 | 17 | 11 | |
| South Hanningfield | 428 | 335 | 7 | 5 | 5 | 11 | |
| West Hanningfield | 203 | 85 | — | 1 | 9 | 9 | |
| Ingatesstone | 747 | 610 | 12 | 32 | 17 | 21 | |
| Great Leighs | 340 | 104 | 106 | 2 | 8 | 21 | |
| Little Leighs | 67 | 26 | — | 1 | 1 | 9 | |
| Margareting | 204 | 142 | 12 | 1 | 2 | 54 | |
| Mashbury | 42 | 13 | — | 3 | 2 | 8 | |
| Mountnessing | 271 | 173 | — | — | — | 56 | |
| Pleshey | 79 | 34 | — | — | 3 | 10 | |
| Rettendon* | 314 | 273 | 2 | 7 | 22 | 40 | |
| Roxwell | 302 | 114 | 45 | 3 | 13 | 40 | |
| Runwell* | 363 | 315 | 6 | 2 | 6 | 34 | |
| Sandon | 248 | 198 | — | 5 | 12 | 20 | |
| Springfield | 149 | 92 | 2 | — | 4 | 33 | |
| Stock | 356 | 215 | 8 | 6 | 15 | 20 | |
| Great Waltham | 584 | 320 | 17 | 4 | 18 | 76 | |
| Little Waltham | 328 | 186 | 50 | 2 | 17 | 18 | |
| Woodham Ferrers | 661 | 557 | 19 | 7 | 35 | 94 | |
| Writtle SPA | 816 | 699 | — | 2 | 18 | 16 | |
| Writtle OSPA | 225 | 116 | 12 | — | 14 | 45 | |
| | | | | | | 87 | |
| TOTALS ... | 11,053 | 8,217 | 441 | 137 | 331 | 84 | |
| | | | | | | 945 | |
| | | | | | | 1,029 | |

* Transfer from Runwell to Rettendon from 1/10/48 (53 Houses).
 * County of Essex (Alteration of Parish Boundaries) Order 1948.

Hutments included in the previous totals are:—

During the year 326,217,000 gallons of water were supplied throughout the District, as shewn in the following table.

WATER CONSUMPTION (IN GALLONS) DURING 1948.

| Area | Council's Waterworks | South Essex Waterworks Company | Southend Waterworks Company | Total |
|---|----------------------|--------------------------------|-----------------------------|-------------|
| Great Baddow ... | — | 58,958,000 | — | 58,958,000 |
| Broomfield ... | — | — | — | — |
| Danbury ... | — | 103,244,000 | — | 103,244,000 |
| Ingatestone, Margaretting, Writtle and West Hanningfield... | — | 54,727,000 | — | 54,727,000 |
| Northern ... | — | 89,390,000 | — | 89,390,000 |
| Stock ... | — | 5,646,000 | — | 5,646,000 |
| Mountnessing ... | — | — | 5,571,000 | 5,571,000 |
| South Hanningfield ... | — | — | 8,535,000 | 8,535,000 |
| Woodham Ferrers ... | — | — | 146,000 | 146,000 |
| | — | 311,965,000 | 14,252,000 | 326,217,000 |

From the above tabular statement it will be seen that of the water supplied by the Council, 95% was purchased from the South Essex Waterworks Company.

Properties Connected to the Water Mains during 1948.

| | Existing Houses | New Houses | Domestic and Trade | Trade | Existing Houses on Domestic Supply to which Meters have been inserted | Special Charges | Total |
|-----------------------------|-----------------|------------|--------------------|-------|---|-----------------|-------|
| Gt. Baddow ... | 1 | 10 | 3 | 6 | 4 | 2 | 28 |
| Little Baddow | — | 2 | 3 | — | 1 | — | 5 |
| Boreham ... | 6 | 14 | 3 | 5 | 1 | 2 | 31 |
| Broomfield ... | — | 10 | — | 2 | — | — | 12 |
| Chignal ... | 3 | 2 | — | — | — | — | 5 |
| Danbury ... | 1 | 17 | — | 1 | 1 | — | 20 |
| Good Easter ... | 5 | 4 | 1 | — | — | 1 | 11 |
| East Hanningfield | 1 | 1 | — | 4 | 1 | 1 | 8 |
| Sth. Hanningfield | 1 | 3 | 2 | 2 | 1 | 1 | 10 |
| West Hanningfield | 1 | 10 | — | — | 1 | — | 12 |
| Ingatestone & Fryerning | 4 | 2 | — | 1 | — | — | 7 |
| Great and Little Leighs ... | 38 | 10 | 2 | 1 | — | — | 51 |
| Margarettting ... | 3 | 1 | 1 | 1 | 1 | — | 7 |
| Mashbury ... | — | — | — | — | — | — | — |
| Mountnessing | — | — | — | — | — | — | — |
| Pleshey ... | 1 | — | 1 | — | — | — | 2 |
| Rettendon ... | 1 | 6 | 1 | 8 | — | — | 16 |
| Roxwell ... | 9 | 9 | — | — | 1 | 1 | 19 |
| Runwell ... | 2 | 9 | — | — | 2 | — | 13 |
| Sandon ... | 4 | — | — | 2 | — | — | 6 |
| Springfield ... | 1 | 16 | — | 1 | — | — | 18 |
| Stock ... | 8 | 1 | 2 | 5 | 1 | — | 17 |
| Great Waltham | 8 | 15 | 1 | — | 1 | — | 25 |
| Little Waltham | 2 | 1 | 1 | 3 | — | — | 7 |
| Woodham Ferrers | — | 2 | 2 | 1 | 5 | 2 | 12 |
| Writtle ... | 11 | 12 | 1 | — | — | — | 24 |
| | 111 | 157 | 23 | 45 | 21 | 9 | 366 |

WATER MAIN EXTENSIONS

The comprehensive post-war scheme (as set out in 1947 report) prepared by the Engineer and Surveyor has been approved in principle by the Minister of Health excepting the following sections of the scheme which have been postponed for the time being :—

| <i>Parish</i> | <i>Estimated Cost</i> | <i>Length of 4" Main in yds.</i> |
|-------------------|-----------------------|--------------------------------------|
| Little Baddow ... | £1,350 | 1,323 |
| Ingatestone ... | £1,220 | 1,507 |
| Ingatestone ... | £480 | 657 |
| Ingatestone ... | £1,480 | 1,887 |
| Stock ... | £1,015 | 1,184 |

The total cost of the scheme is estimated at £44,212. The Ministry of Health is giving a grant of £20,000 towards the cost of the scheme, and the Essex County Council have provisionally agreed to contribute an annual payment equivalent to a capital grant of £14,737, which is one third of the total cost.

The Ministry did not however authorise the carrying out of the entire scheme at once and the position is as follows :—

First part of the programme, Contract let and work in progress with the following lengths completed.

| <i>Parish</i> | <i>Length of Main 3 in and 4 in.</i> | <i>Contract No.</i> | <i>Material</i> |
|-------------------|--|---------------------|-----------------|
| Boreham ... | ... 982 yards | 1 | Iron |
| Great Leighs ... | ... 686 ,, | 1 | Asbestos |
| Great Leighs ... | ... 2,138 ,, | 2 | Iron |
| Great Waltham ... | ... 3,729 ,, | 3 | Iron |
| Good Easter ... | ... 2,726 ,, | 4 | Asbestos |

Second part of the programme, Tenders to be invited and the work to be commenced during 1949.

| <i>Parish</i> | <i>Length of Main</i> | <i>Contract No.</i> | <i>Material</i> |
|--------------------|-----------------------|---------------------|-----------------|
| Stock ... | ... 2,006 yards | 7 | Asbestos |
| Great Baddow ... | ... 3,840 ,, | 8 | Iron |
| Roxwell ... | ... 265 ,, | 9 | Iron |
| Writtle ... | ... 2,856 ,, | 9 | Iron |
| Broomfield ... | ... 1,935 ,, | 10 | Iron |
| Pleshey ... | ... 620 ,, | 11 | Iron |
| Little Waltham ... | ... 657 ,, | 12 | Asbestos |
| Roxwell ... | ... 2,266 ,, | 13 | Iron |

In addition to the Post War Scheme, a Supplementary Scheme of water mains extensions to supply a further 98 existing properties has been prepared and approved in principle by the Minister of Health.

| <i>Parish</i> | <i>Length of Main</i> | <i>Contract No.</i> | <i>Material</i> |
|--------------------|-----------------------|---------------------|-----------------|
| Sandon and Danbury | 1,377 yards | 16 | Iron |
| West Hanningfield | 536 ,, | 16 | Asbestos |
| Mashbury | 2,326 ,, | 16 | Iron |
| Roxwell | 2,238 ,, | 16 | Iron |
| Good Easter | 2,195 ,, | 16 | Iron |
| Broomfield | 1,100 ,, | 16 | Iron |
| Little Waltham | 3,325 ,, | 16 | Iron |

Water Main Renewals.

An extensive scheme of water main renewals is proposed to replace mains that are inadequate or corroded externally or internally, and need constant repair. No new supplies will be provided under this scheme, but more satisfactory supplies will thereby be given to many parts of the District, and there will be less interruption of supplies due to mains bursting, when these mains have been renewed.

Water main extensions carried out during the year are as follows :—

| | <i>Length</i> <i>Yds.</i> | <i>Diameter</i> |
|--|------------------------------|-----------------|
| Damases Lane, Boreham | 982 | 4" |
| Gubbions Green Area, Great Leighs | 983 1,155 | 3" 4" |
| Dog and Gun Area, Great Leighs | 686 | 4" |
| Good Easter—Tye Green to Hayrons Lane ... | 995 | 4" |
| Round Roblets to Bar- rake Lane | 127 1,604 | 3" 4" |
| Back Lane, Ford End | 362 | 3" |
| Felstead Road to Ben- netts Lane | 974 | 3" |
| Ford End to North End | 2,345 48 | 4" 3" |

| | | <i>Length</i> <i>Yds.</i> | <i>Diameter</i> |
|--|--|------------------------------|--|
| Coleman Lane, Danbury | | 90 | 3" |
| Runsell Green Lane, Dan- bury | | 67 | 3" |
| Housing Estate Extensions. | | | |
| Boreham | | 104 | 3" |
| Roxwell | | 102 | 3" |
| Maltings Estate, Great Baddow | | 81 | 3" |
| Danbury—Gay Bowers | | 372 | 3" |
| Water Main Renewals. | | | |
| Rettendon Church Area | | 531 | 5" |
| ,, ,,, ,,, | | 314 | 6" |
| West Hanningfield. | | | |
| Seamans Lane | | 353 | 1" |
| | | | This extension has enabled 4 premises to have the water taken inside. |

The District Council has certain statutory rights by which water can be procured from the mains of the Chelmsford Corporation (Chelmsford Corporation Water Act, 1923) Southend Waterworks Company (Southend Waterworks Act, 1924) and the South Essex Waterworks Company (South Essex Waterworks Act, 1928).

**PARTICULARS OF BURST WATER MAINS AND
SERVICES REPAIRED DURING 1948.**

| <i>Parish</i> | | <i>Burst Mains</i> | <i>Burst Services</i> |
|---------------------------|-----|--------------------|-----------------------|
| Great Baddow | ... | ... | 11 |
| Little Baddow | ... | ... | — |
| Boreham | ... | ... | 2 |
| Broomfield | ... | ... | 1 |
| Chignall | ... | ... | — |
| Danbury | ... | ... | 3 |
| Good Easter | ... | ... | — |
| East Hanningfield | ... | ... | 11 |
| South Hanningfield | ... | ... | 1 |
| West Hanningfield | ... | ... | 2 |
| Ingatestone and Fryerning | ... | 5 | 6 |
| Great and Little Leighs | ... | — | — |
| Margarettting | ... | ... | 3 |
| Mashbury | ... | ... | 1 |
| Mountnessing | ... | ... | — |
| Pleshey | ... | ... | — |
| Rettendon | ... | ... | 8 |
| Roxwell | ... | ... | 1 |
| Runwell | ... | ... | 10 |
| Sandon | ... | ... | 7 |
| Springfield | ... | ... | — |
| Stock | ... | ... | — |
| Great Waltham | ... | ... | 2 |
| Little Waltham | ... | ... | — |
| Woodham Ferrers | ... | ... | 7 |
| Writtle | ... | ... | 3 |
| | | — | — |
| | | 81 | 118 |
| | | — | — |

SOUTH ESSEX WATERWORKS COMPANY

RECENT ANALYSIS OF SAMPLES OF WATER PUMPED FROM
THE WORKS AT LANGHAM AND LAYER-DE-LA-HAYE.

(CHEMICAL RESULTS IN PARTS PER MILLION)

| | | Langham | Layer-de-la-Haye |
|---------------------------------------|--------|------------------------|------------------|
| Appearance | ... | Clear and bright | Clear and bright |
| Colour A.P.H.A. | ... | 4 | 7 |
| Turbidity, silicea scale | ... | 0.1 | Nil |
| Odour | ... | Very slight chlorinous | Nil |
| Taste | ... | Nil | Nil |
| Electric Conductivity 20°C. | 800 | 530 | |
| Total solids 180°C. | 534 | 353 | |
| Reaction P.H. | 7.5 | 7.7 | |
| " Free Chlorine " | 0.35 | 0.25 | |
| Chlorides as Cl. | 101 | 40 | |
| Total Oxidised Nitrogen | 1.1 | 1.2 | |
| Nitrites as N | Nil | Nil | |
| Hardness, Permanent | 99 | 120 | |
| , Temporary | 205 | 132 | |
| , Total | 304 | 352 | |
| Free Ammonia | 0.22 | 0.14 | |
| Albuminoid Ammonia | 0.08 | 0.15 | |
| Oxygen absorbed 4hrs. 27°C. | 0.34 | 0.91 | |
| Metals | Nil | Nil | |
| Colony Count per m.l. on | | | |
| Agar 1 day at 37°C. | 1 | 4 | |
| Ditto 3 days at 20°C. | 1 | 14 (4 days) | |
| Presumptive coli a count per | | | |
| 100 ml. | 0 | 0 | |
| Bact. Coli a count per 100 mls. | 0 | 0 | |
| Cl. Welchii Present in | | 100 ml. | |
| Absent in | 100 ml | 10 ml. | |

The water leaving the two works is examined daily (except Sunday) bacteriologically and in every instance the Bact. Coli is absent in 100 ml. The Laboratory at Langham deals with over 3,000 chemical, bacteriological, and biological examinations per year.

The difference of hardness between the water at Langham and Layer de-la-Haye is rather striking and the reduction of hardness at the latter station is mainly attributable to the prolonged storage in the Abberton Reservoir; its contents when completely filled are 5,700 million gallons. Approximately 8 million gallons are pumped daily from the Layer works, and 10 million gallons daily from the works at Langham.

(These observations were supplied by the Company).

Copy of a Recent Analysis From The Southend Waterworks Company's Mains.

| | | Chemical Results in parts per Million |
|------------------------------------|-----|---------------------------------------|
| Appearance | ... | Clear & Bright |
| Turbidity (Silica Scale) | ... | Nil. |
| Colour | ... | Hazen (less than 10) |
| Odour | ... | Nil. |
| Reaction pH | ... | 8.4 (faint alkaline) |
| Free Carbon Dioxide | ... | Absent. |
| Electric Conductivity at 20°C. | ... | 500. |
| Total Solids, dried at 180°C. | ... | 335. |
| Chlorine in Chlorides | ... | 44. |
| Alkalinity as in Calcium Carbonate | ... | 20. |
| Hardness : Total | ... | 190 |
| Permanent | ... | 20. Non-Carbonate. |
| Temporary | ... | 170 Carbonate. |
| Nitrogen in Nitrates | ... | 6.4 |
| Nitrogen in Nitrites | ... | less than 0.01 |
| Free Ammonia | ... | less than 0.060 |
| Albuminoid Ammonia | ... | 0.088 |
| Oxygen Absorbed in 4 hrs. at 27°C. | ... | 1.05 |
| Residual Chlorine | ... | 0.03 (at time of sampling) |
| Metals | ... | Iron less than .03 |
| Other Metals | ... | Absent |

BACTERIOLOGICAL RESULTS.

Number of Colonies developing on Agar per c.c. or ml. in—
 1 day at 37°C. 0
 2 days at 37°C. 1
 3 days at 20°C. 0

Presumptive Coliform

| | | |
|----------------------|-----|----------------------------------|
| Reaction | ... | Present in —. Absent from 100ml. |
| Bact. coli | ... | Present in —. Absent from 100ml. |
| Cl. Welchii Reaction | ... | Present in —. Absent from 100ml. |

This sample is clear and bright in appearance, faintly alkaline in reaction and free from metals. The hardness of the water and its content of mineral and saline constituents in solution are moderate. Its organic quality is satisfactory and its bacterial purity is of the highest character. The water is considered pure and wholesome in character and suitable for drinking and domestic purposes.

Broomfield Waterworks.

The use of the Broomfield Pumping station was discontinued on the 16th August, 1947. At the present time, the Ministry of Health refuses to sanction the necessary repairs. The water from the Works is of excellent quality.

RIVERS AND STREAMS.

The district is drained by the Chelmer and its tributaries. Pollution from agricultural lands is bound to occur.

DRAINAGE AND SEWERAGE.

Sewers are available in the parishes of Broomfield, Great Baddow, Ingatestone, Mountnessing, Runwell, and Writtle.

The number of houses connected to the sewers at end of 1948 was:—

| <i>Parish</i> | <i>Private Houses</i> | <i>Council Houses</i> | <i>Total at end of 1948</i> |
|-----------------------|-----------------------|-----------------------|-----------------------------|
| Great Baddow | 2 | 34 | 489 |
| Broomfield | — | 18 | 1,334 |
| Ingatestone | — | 12 | 528 |
| Mountnessing | — | — | 142 |
| Runwell | 1 | — | 165 |
| Writtle | 5 | 12 | 632 |
| TOTALS | 8 | 76 | 3,290 |

The Engineer and Surveyor has prepared a number of Village Sewerage Schemes, which have been approved by the Council and now await the sanction of the Ministry of Health.

These Schemes are for the Villages of:—

Roxwell
Ford End
Ramsden Heath
Pleshey.

The Great and Little Waltham Sewerage Scheme, which was prepared by Messrs. Lemon and Blizard, is in course of being carried out.

PUBLIC CLEANSING.

The modified comprehensive refuse collection scheme, which was described on page 27 of last year's Report, was maintained in operation throughout the year.

The difficulty of obtaining and retaining suitable and sufficient workmen remained acute, and it must again be stressed that until permanent teams of men are built up, difficulties are bound to continue in the working of the regular collection schedules.

A further 10. cu. yard Shelvoke and Drewry vehicle (vehicle No. 5) was delivered towards the end of the year, and was utilised as a spare vehicle while the other four vehicles were each in turn taken off the road for overhaul.

Refuse Disposal.

The two controlled dumps at Broomfield and Great Baddow remained in operation throughout the year. Two full-time attendants have been employed on each dump.

Salvage.

The quantity of salvage collected by the Rural District Council and the receipts from its sale showed considerable increases during the year as compared with 1947.

The comparative figures for the two years are as follows :—

| | 1947 | 1948 |
|---|------------------|-------------------|
| Weight of waste paper returned to the mills ... | 74 tons 16 cwts. | 106 tons 14 cwts. |
| Receipts from sale of waste paper | £533 | £787 |
| Board of Trade bonus for increased waste paper collection | £15 | £31 |
| Receipts from sale of bones, textiles, non-ferrous metals and bottles ... | £117 | £113 |
| Total receipts ... | £665 | £931 |

All receipts have been credited to the General Rate Fund.

In 1947, waste paper was returned to the mills from the Council's depot at an average rate of 6 tons 4 ewts, each month. This figure was increased to 8 tons 18 ewts. in 1948. The fourteen-year-old Shelvoke and Drewry vehicle was used exclusively for salvage collection.

General.

During the year, plans were approved for an extension to the Public Cleansing Depot. A new double garage, with adjoining foreman's office, store and workshop is to be built, and the men's mess-room is to be extended.

NIGHT SOIL COLLECTION.

Night soil collection in the following parishes is carried out by a contractor.

| <i>Parish</i> | <i>Approx. No. of Houses (Including Schools)</i> |
|---------------------|--|
| Rettendon ... | 35 |
| Great Waltham ... | 99 |
| Little Waltham ... | 69 |
| Woodham Ferrers ... | 56 |

SANITARY INSPECTION OF THE AREA.

The table prepared by the Chief Sanitary Inspector, shows the amount of inspection work performed by the Inspectors.

Slaughterhouses. These were not in general use during the year.

Knackers Yards. There is one in the District, in the parish of Great Baddow. This is a modern building erected during 1935.

Dairies and Cowsheds. These are dealt with under the heading "Inspection and Supervision of Food."

Smoke Abatement. One complaint was received during the year regarding smoke emission by a factory in Great Baddow. A preliminary notice was served on the occupiers to abate the nuisance, and some improvement was obtained.

Camping Sites. During the year, thirty-four licencees were in force under Section 269, of the Public Health Act, 1936, as compared with a total of thirty-three in force during 1947.

Many of these licencees were granted to persons who would not normally reside in moveable dwellings, but owing to the acute housing shortage, have no alternative at the present time.

INSPECTIONS AND PARTICULARS OF NOTICES FOR
THE YEAR, 1948.

| Nature of Inspection | Total Inspections | Notices Outstanding at end of 1947 | Notices Served | | Notices | | |
|--|-------------------|------------------------------------|----------------|-----------|---------------|-----------|----------------------------|
| | | | Informal | Statutory | Complied with | Cancelled | Outstanding at end of 1948 |
| Infectious Disease Inquiries | 46 | — | — | — | — | — | — |
| Infectious Disease Disinfections | 7 | — | — | — | — | — | — |
| Houses Inspected under Public Health or Housing Acts | 174 | 222 | 121 | 27 | 164 | 20 | 186 |
| Houses "Carded" under Public Health or Housing Acts | 44 | — | — | — | — | — | — |
| Re-inspections under Housing Acts | 119 | — | — | — | — | — | — |
| Re-inspections under Public Health Acts | 534 | — | — | — | — | — | — |
| *Overcrowding | 21 | 3 | 1 | — | 2 | — | 2 |
| *Dirty Condition of Houses | 5 | 2 | — | — | 1 | — | 1 |
| *Other Nuisances in Houses | 91 | — | — | — | — | — | — |
| *Water Closets | 14 | 52 | 12 | 2 | 41 | 2 | 23 |
| *Privies and Pail Closets | 22 | 28 | 18 | 4 | 16 | 6 | 28 |
| *House Drainage | 394 | 137 | 73 | 32 | 147 | 7 | 88 |
| *Other Drainage | 96 | — | — | — | — | — | — |
| *Water Supply | 255 | 104 | 36 | 19 | 72 | 7 | 80 |
| Re-inspections for* | 214 | — | — | — | — | — | — |
| Urinals | 23 | 1 | 1 | — | 1 | — | 1 |
| Pig-Styes | 7 | — | — | — | — | — | — |
| Animals Improperly Kept | 1 | — | — | — | — | — | — |
| Rates, Mice and Insect Pests | 106 | 7 | 6 | — | 7 | — | 6 |
| Sheds, Vans, Sheds and Similar Structures | 156 | — | 1 | — | 1 | — | — |
| Schools | 2 | — | — | — | — | — | — |
| Cowsheds and Dairies | 312 | 63 | 32 | — | 27 | 13 | 55 |
| Milk Retailers' Premises | 6 | — | — | — | — | — | — |
| Ice Cream Premises | 45 | — | 4 | — | 2 | — | 2 |
| Bakehouses | 49 | — | 3 | — | 1 | — | 2 |
| Restaurants and Cafes | 7 | — | — | — | — | — | — |
| Fresh and Fried Fish Shops | 20 | — | — | — | — | — | — |
| Slaughterhouses and Butchers' Shops | 120 | — | — | — | — | — | — |
| Knacker Yards | 13 | — | — | — | — | — | — |
| Other Food Preparation and Food Shops | 23 | 2 | 2 | — | 2 | — | 2 |
| Inspections under the Shops Acts | 3 | — | — | — | — | — | — |
| Hairdressing and Barbers' Premises | 1 | — | — | — | — | — | — |
| Factories:— | | | | | | | |
| (a) with Mechanical Power | 65 | 3 | 6 | — | 6 | — | 3 |
| (b) without Mechanical Power | 70 | — | — | — | — | — | — |
| Public Cleansing:— | | | | | | | |
| Dustbins | 3 | 72 | 19 | — | 35 | 15 | 41 |
| Refuse Dumps | 145 | — | — | — | — | — | — |
| Miscellaneous | 610 | — | — | — | — | — | — |
| Control of Civil Building | 195 | — | — | — | — | — | — |
| Miscellaneous | 243 | 9 | 12 | — | 14 | 2 | 5 |
| TOTALS FOR MONTHS | 4252 | 705 | 347 | 84 | 539 | 72 | 525 |

The following tables provide statistics of work done as a result of the service of Informal and/or Statutory Noticees :—

| | | 1946 | 1947 | 1948 |
|--|-----|------|------|------|
| Adequate ventilation provided to rooms | | 1 | — | 4 |
| Ashbins provided | ... | 9 | 3 | 27 |
| Briek footings repaired | ... | 2 | — | 2 |
| Briek walls repaired or roughcast | ... | 19 | 26 | 19 |
| Chimney flues repaired | ... | — | — | 1 |
| Chimney stacks repaired or re-pointed | ... | 12 | 13 | 22 |
| Ceiling plasters, repaired or renewed | ... | 12 | 50 | 70 |
| Coppers repaired or provided | ... | 4 | 9 | 7 |
| Cupboards repaired | ... | 2 | 2 | — |
| Damp-proof courses repaired | ... | — | — | — |
| Dampness remedied other than by d.p.c. | | 10 | 32 | 84 |
| Dirty or verminous houses cleansed | ... | 5 | 9 | — |
| Door furniture provided | ... | — | 3 | — |
| Doors repaired or renewed | ... | 4 | 18 | 21 |
| Eavessgutters and downspouts repaired or renewed | ... | 11 | 24 | 32 |
| External wall plaster repaired or renewed | | 13 | 7 | 36 |
| Fireplaces, Stoves, repaired or renewed | ... | 18 | 45 | 53 |
| Floors repaired or re-laid | ... | 29 | 51 | 70 |
| Foodstores provided or repaired | ... | 7 | 7 | 13 |
| Handrails provided to staireases | ... | 7 | 6 | 12 |
| Internal wall plaster repaired or renewed | | 12 | 63 | 97 |
| Internal walls repaired | ... | 1 | 18 | 8 |
| Lighting of rooms | ... | 1 | 6 | 7 |
| Outbuildings repaired | ... | 1 | — | 1 |
| Roofs repaired or renewed | ... | 23 | 44 | 57 |
| Sinks provided or repaired | ... | 8 | 10 | 25 |
| Sink waste pipes provided or renewed | ... | 13 | 14 | 40 |
| Staircases provided or repaired | ... | — | 7 | 9 |
| Washing accommodation provided | ... | — | 3 | 3 |
| Washhouses repaired | ... | 5 | 4 | 1 |
| Weatherboarded walls renewed or repaired | | 2 | 6 | 4 |
| Window sills repaired or renewed | ... | 7 | 4 | 16 |
| Windows or frames repaired or renewed | | 28 | 55 | 78 |
| Windows re-glazed | ... | 3 | 19 | 16 |
| Yards or paths repaired or paved | ... | 6 | 6 | 10 |
| Miscellaneous repairs | ... | 18 | 43 | 54 |
| Cesspools abolished | ... | — | — | 1 |
| Cesspool covers renewed | ... | 1 | 2 | — |
| Cesspool pumps repaired | ... | 1 | — | — |
| Cesspools cleansed | ... | 6 | 2 | 4 |

| | | | 1946 | 1947 | 1948 |
|--|-----|-----|------|------|------|
| Cesspools provided | ... | ... | — | — | — |
| Choked drains cleansed | ... | ... | 8 | 7 | 6 |
| Drainage systems altered or repaired | ... | ... | 4 | 8 | 17 |
| Drainage cut off from ditches, watercourses, etc. | ... | ... | 8 | 22 | 38 |
| Foul ditches cleansed | ... | ... | 4 | 6 | 5 |
| Foul ponds cleansed | ... | ... | 1 | — | — |
| Hot water boilers repaired or renewed | ... | ... | 1 | 2 | 2 |
| Houses connected to the sewer | ... | ... | 2 | 4 | — |
| Inspection covers repaired or renewed | ... | ... | 2 | 3 | — |
| Inspection chambers repaired | ... | ... | 2 | — | 1 |
| Main water supply provided to houses | ... | ... | 24 | 27 | 46 |
| Overflows from cesspools abolished | ... | ... | 3 | 24 | 5 |
| Pail closets converted to water closets | ... | ... | 3 | 2 | — |
| Pail closet structures repaired or renewed | ... | ... | 5 | 5 | 17 |
| Pails provided to closets | ... | ... | 1 | 1 | 2 |
| Privies converted to pail closets | ... | ... | — | 1 | — |
| Urinals repaired or provided | ... | ... | 1 | — | 2 |
| Ventilation pipes repaired | ... | ... | 2 | 2 | 1 |
| Water closets cleansed | ... | ... | — | 2 | 1 |
| Water closet floors repaired | ... | ... | — | — | — |
| Water closets provided | ... | ... | — | 1 | 4 |
| Water closet flushing apparatus repaired or renewed (provided 13, repaired 8) | ... | ... | 5 | 10 | 21 |
| Water closet pedestals provided | ... | ... | 2 | 2 | 6 |
| Water closet structures repaired or renewed | ... | ... | 1 | 2 | 15 |
| Yard gullies, channels, provided or repaired | ... | ... | 1 | 3 | 10 |
| Pumps repaired | ... | ... | — | 1 | 1 |
| Water pipes, taps repaired | ... | ... | 2 | 4 | 6 |
| Water tanks cleansed | ... | ... | — | — | — |
| Water tank covers provided | ... | ... | — | — | — |
| Wells cleansed, repaired or improved | ... | ... | — | 2 | 2 |
| Water supplies improved | ... | ... | 1 | 1 | — |
| Water butts provided | ... | ... | 6 | 3 | 5 |
| Well covers provided | ... | ... | — | 1 | 1 |
| Approaches to cowsheds or dairies improved | ... | ... | — | 4 | 4 |
| Buildings converted to Cowsheds | ... | ... | 1 | 1 | — |
| Cesspools provided | ... | ... | — | — | — |
| Choked drains cleansed | ... | ... | — | — | — |
| Cowsheds cleansed | ... | ... | — | 2 | — |
| Cowshed floors repaired | ... | ... | 1 | 2 | 4 |
| Cowsheds reconstructed | ... | ... | 3 | — | 2 |
| Cowshed roofs repaired | ... | ... | — | — | — |
| Cowshed walls rendered or repaired | ... | ... | 6 | 12 | 23 |

| | | | 1946 | 1947 | 1948 |
|--|-----|-----|------|------|------|
| Dairies cleansed | ... | ... | ... | — | — |
| Dairies sealed off from eowsheds | ... | ... | — | — | — |
| Dairies provided | ... | ... | 2 | 1 | 2 |
| Dairies repaired or improved | ... | ... | — | — | 4 |
| Dairy entrancees repaired | ... | ... | — | — | — |
| Dairy floors repaired | ... | ... | — | 5 | 1 |
| Dairy lighting improved | ... | ... | — | 1 | 3 |
| Dairy roofs repaired | ... | ... | — | 1 | 1 |
| Dairy walls rendered or repaired... | ... | ... | 1 | 13 | 11 |
| Dairy equipment provided, cleansed or repaired | ... | ... | 1 | 7 | 6 |
| Drainage to eowshed or dairy improved | | | 2 | 3 | 7 |
| Improvements to water supply | ... | ... | — | — | 1 |
| Lighting to eowshed or dairy improved | | | 3 | 4 | 9 |
| Manure aeeumulations removed | ... | ... | 4 | 5 | 8 |
| Milking stools elcansed | ... | ... | 1 | 4 | — |
| Other improvements to cowsheds or dairies | | | 5 | 15 | 23 |
| Stall divisions provided or repaired | ... | ... | — | 8 | 6 |
| Ventilation to eowsheds or dairies | ... | ... | — | — | 5 |
| Water supply provided to cowsheds or dairies | ... | ... | — | 3 | 3 |
| Miseellaneous work done | ... | ... | 8 | 33 | 26 |

SWIMMING BATHS AND POOLS.

There are two privately owned swimming pools within the District whieh are open to the public.

Swimming Pool, The Chase, Ingatestone. This swimming pool is owned by The Chase, Ltd.

Sanitary aceommodation is provided for both sexes.

May-Phill Roadhouse, Battlesbridge. The swimming pool adjoins the Roadhouse whieh is situated about 250 yards from the Chelmsford—Southend Road on the bank of the River Crouch.

The size of the pool is 175ft. by 45ft. 6ins., with a depth varying from 3ft. to 8ft. 6ins. and its eapacity is 312,000 gallons.

Sanitary accommodation is provided for both sexes.

HOUSING.

At the end of 1948 the District Council owned 1,272 houses. The numbers for each parish are given on page 35.

During 1948, a further 169 new houses were erected, whilst 88 houses were in the course of erection at December, 1948.

Ninety Temporary Bungalows have been allotted to the District, all of which have been completed and occupied. These Temporary Bungalows are provided by the Government and the District Council is responsible for their maintenance.

In 1946, a number of hutments on Government sites in the District were acquired, and after extensive alterations, a total of 247 huts were adapted for living accommodation and were occupied. In 1947, a further 32 huts were adapted for this purpose. In 1948, another 47 huts were adapted, making a total of 326 huts on 5 separate camp sites.

Since the commencement of the post-war housing programme in 1946, a total of 649 dwellings have been provided, details of which are shown in the table on page 36.

POST WAR HOUSING PROGRAMME

| PARISH | Acreage | Sites acquired | No. of Houses erected and in the course of construction at 31.12.48 |
|-------------------------------------|---------|-------------------|---|
| | | | |
| Great Baddow (excluding Galleywood) | 22.5 | 22 | |
| Galleywood | 5.889 | 24 | |
| Little Baddow | 0.5 | 4 | |
| Boreham | 7.8 | 14 | |
| Broomfield | 4.191 | 28 | |
| Chignall | 3.7 | — | |
| Danbury | 9.3 | 24 | |
| Good Easter | 2.61 | 4 | |
| East Hanningfield | 1.1 | 6 | |
| South Hanningfield | 1.7 | 10 | |
| West Hanningfield | 2.0 | 12 | |
| Ingatesone and Fryerning | 10.6 | 22 | |
| Great Leighs & | | | |
| Little Leighs | 6.870 | 9 | |
| Margarettting | 3.0 | — | |
| Mashbury | — | — | |
| Mountnessing | 3.22 | — | |
| Pleshey | 4.0 | — | |
| Rettendon | 11.6 | 5 | |
| Roxwell | 17.2 | 17 | |
| Runwell | 2.0 | 12 | |
| Sandon | 4.65 | 8 | |
| Springfield | 4.95 | 26 | |
| Stock | 2.2 | 6 | |
| Great Waltham | 9.62 | 28 | |
| Little Waltham | 5.0 | 8 | |
| Woodham Ferrers | 7.75 | 4 | |
| Writtle (excluding Highwood) | 6.0 | 28 | |
| Highwood | — | — | |
| TOTALS | 160.95 | 321 | |

NOTE.—The number of houses to be built by the council is determined by allocations made by the Ministry of Health.

Council Houses.

| PARISH | HOUSES ERECTED UNDER | | | | | | Total |
|---------------------------------|-----------------------|---|---|-----------------------|-----------------------|---------------------------|-------------|
| | The Housing Act, 1890 | The State-aided Scheme charges being a General Rate limited to 1d. Rate | The Housing Financial Provisions) Act, 1924 | The Housing Act, 1925 | The Housing Act, 1930 | The Housing Act, 1936 /46 | |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| Baddow, Great (s.p.a.) | — | 51 | 57 | — | — | 113 | 221 |
| Baddow, Great (o.s.p.a.) | — | 12 | 16 | 16 | — | 29 | 73 |
| Baddow, Little ... | 6 | — | 8 | — | — | 12 | 26 |
| Boreham ... | — | — | 46 | — | 6 | 30 | 82 |
| Broomfield ... | — | — | 40 | — | 6 | 31 | 77 |
| Chignal ... | — | — | 8 | — | — | — | 8 |
| Danbury ... | 6 | 25 | 4 | — | — | 8 | 43 |
| Good Easter ... | — | 6 | — | — | — | 9 | 15 |
| Hanningfield, East | — | — | 12 | — | — | 12 | 24 |
| Hanningfield, South | 6 | — | — | — | — | 10 | 16 |
| Hanningfield, West | — | — | 4 | — | — | 4 | 8 |
| Ingatestone and Fryerning ... | 2 | 30 | 32 | — | 2 | 54 | 120 |
| Great and Little Leighs. ... | — | — | 16 | — | — | — | 16 |
| Margaretting ... | — | 6 | — | — | — | 12 | 18 |
| Mashbury ... | — | — | — | — | — | — | — |
| Mountnessing ... | — | 8 | — | — | — | 28 | 36 |
| Pleshey ... | — | — | 4 | — | — | — | 4 |
| Rettendon ... | — | — | 12 | — | — | — | 12 |
| Roxwell ... | — | — | 12 | — | — | 22 | 34 |
| Runwell ... | — | — | 14 | — | — | 12 | 26 |
| Sandon ... | 4 | 4 | 6 | — | — | 18 | 32 |
| Springfield ... | — | — | — | — | — | 16 | 16 |
| Stock ... | — | — | 10 | 4 | — | 6 | 20 |
| Waltham, Great Village area ... | — | — | 20 | — | — | 18 | 38 |
| Waltham, Great (Ford End) ... | — | — | 12 | — | — | 4 | 16 |
| Waltham, Little ... | — | — | 6 | — | — | 8 | 14 |
| Woodham Ferrers ... | — | 4 | 24 | — | — | 22 | 50 |
| Writtle (s.p.a.) ... | — | 16 | 102 | 31 | 12 | 44 | 205 |
| Writtle (o.s.p.a.) ... | — | — | 12 | — | — | 10 | 22 |
| TOTALS ... | 24 | 162 | 477 | 51 | 26 | 532 | 1272 |

† Ingatestone Waterworks Cottages.

‡ Including 12 Cottages the cost of which was borne by the Housing Estates Repairs Fund.

* Includes 6 cottages purchased by the Council:—

1 in Great Baddow (s.p.a.).

3 in Galleywood.

2 in Ford End; and

10 Agricultural Cottages:—

West Hanningfield 4.

Writtle 4.

Ford End 2.

TABLE SHOWING THE NUMBER OF HOUSES ERECTED, IN THE COURSE OF ERECTION AND HUTS ACQUIRED FOR LIVING ACCOMMODATION BY THE RURAL DISTRICT COUNCIL DURING 1946-7 AND 1948

| PARISH | Permanent Council Houses | | Temporary Bungalows Completed and Occupied | | Government Huts Acquired and Adapted | | Private Houses | |
|------------------------|--------------------------------------|------|--|-----------|--------------------------------------|------|----------------|-------|
| | Completed and Occupied during 1946-7 | 1948 | In the Course of Erection at Dec. 1947 | Dec. 1948 | 1946 | 1947 | 1946-7 | 1948 |
| Great Baddow (S.P.A.) | 18 | 4 | 4 | — | — | — | — | — |
| Great Baddow (S.P.A.) | 8 | 16 | 16 | — | — | — | 46 | 8 |
| Little Baddow | 4 | — | — | 2 | — | — | 5 | 2 |
| Boreham | ... | ... | 12 | 8 | — | — | 1 | 2 |
| Broomfield | ... | 4 | 22 | 24 | 2 | 20 | 1 | 4 |
| Chignal | ... | — | — | — | — | — | — | — |
| Danbury | ... | ... | 8 | 8 | 16 | 3 | — | — |
| Good Easter | ... | ... | 3 | — | 1 | 1 | 1 | 2 |
| East Hanningfield | ... | 2 | 4 | — | — | — | — | — |
| South Hanningfield | ... | — | 10 | 8 | 12 | — | 10 | 6 |
| West Hanningfield | ... | — | — | — | — | — | 1 | 2 |
| Ingatstone & Fryerning | 12 | 10 | 10 | — | 20 | — | 3 | 1 |
| Great Leights | ... | — | — | — | 9 | — | — | 2 |
| Little Leights | ... | — | — | — | — | — | — | — |
| Margarettting | ... | — | — | — | — | — | — | — |
| Mashbury | ... | — | — | — | — | — | 12 | 4 |
| Mountnessing | ... | ... | — | — | — | — | — | — |
| Pleshey | ... | ... | — | — | — | — | 1 | — |
| Rettendon | ... | ... | — | — | — | — | 1 | — |
| Roxwell | ... | ... | — | — | — | — | 3 | 3 |
| Runwell | ... | ... | — | — | — | — | — | — |
| Sandon | ... | ... | — | — | — | — | 7 | 6 |
| Springfield | ... | ... | — | — | — | — | 6 | 4 |
| Stock | ... | ... | — | 4 | 26 | 22 | — | — |
| Great Waltham | ... | — | 6 | — | — | — | 3 | 2 |
| Little Waltham | ... | 2 | 16 | 12 | 10 | — | 1 | — |
| Woodham Ferrers | ... | 2 | 8 | 8 | — | — | 10 | 1 |
| Writtle (S.P.A.) | 12 | 2 | 2 | 2 | — | — | 4 | 4 |
| Writtle (O.S.P.A.) | — | — | — | — | — | — | 9 | 6 |
| TOTALS | ... | 64 | 169 | 174 | 88 | 70 | 20 | 47 |
| | | | | | | 279 | — | 117 |
| | | | | | | | 48 | — |
| | | | | | | | | 30(6) |

NOTE.—Figures in parenthesis denote war damage rebuilds.

TABLE SHEWING POPULATION AND NUMBER OF HOUSES AT CENSUS 1931, ESTIMATED POPULATION 1948 AND THE NUMBER OF HOUSES AT THE END OF DECEMBER, 1948

| PARISH | Area in statute acres (land and inland water) | Census, 1931 | | Estimated Population at end of 1948 | Number of Houses and Huts at end of 1948 |
|-------------------------|---|-----------------|--------|-------------------------------------|--|
| | | Popula- tion | Houses | | |
| Baddow, Great | 3805 | 3652 | 962 | 6675 | *1906 |
| Baddow, Little | 2755 | 751 | 198 | 1041 | 297 |
| Boreham | 3802 | 1078 | 269 | 1497 | 427 |
| Broomfield | 1851 | 1310 | 433 | 1934 | 552 |
| Chignal | 2303 | 350 | 104 | 442 | 126 |
| Danbury | 3495 | 1807 | 475 | 2718 | 773 |
| Good Easter | 1988 | 403 | 103 | 421 | 120 |
| Hanningfield, East | 2519 | 500 | 117 | 439 | 125 |
| Hanningfield, South | 4946 | 1071 | 72 | 1500 | 428 |
| Hanningfield, West | 3105 | 521 | 135 | 712 | 203 |
| Ingatestone & Fryerning | 4133 | 2352 | 620 | 2617 | 747 |
| Leighs, Great | 3197 | 728 | 194 | 1191 | 340 |
| Leighs, Little | 1079 | 158 | 52 | 236 | 67 |
| Margarettting | 2284 | 638 | 162 | 715 | 204 |
| Mashbury | 898 | 143 | 41 | 148 | 42 |
| Mountnessing | 2793 | 749 | 438 | 950 | 271 |
| Pleshey | 732 | 272 | 75 | 278 | 97 |
| Rettendon | 3652 | 794 | 200 | 1100 | 314 |
| Roxwell | 4782 | 774 | 194 | 1058 | 302 |
| Runwell | 2070 | 678 | 190 | 1272 | 363 |
| Sandon | 2377 | 618 | 150 | 869 | 248 |
| Springfield | 1827 | 388 | 116 | 523 | 149 |
| Stock | 3474 | 976 | 185 | 1247 | 356 |
| Waltham, Great | 7010 | 1941 | 542 | 2046 | 584 |
| Waltham, Little | 2586 | 720 | 190 | 1149 | 328 |
| Woodham Ferrers | 4753 | 1353 | 391 | 2316 | 661 |
| Writtle | 8374 | 3111 | 831 | 3646 | †1041 |
| TOTALS | 86590 | 27836 | 7439 | 38740 | 11053 |

* In Great Baddow s.p.a. 1517.

† In Writtle s.p.a. 816.

Transfer from Runwell to Rettendon from 1/10/48 (53 houses) County of Essex (Alteration of parish boundaries) Order, 1948.

Hutments taken over by the R.D.C. and included in the above total are:—

| | | | | | |
|--------------------------------------|-----|-----|-----|-----|------------|
| Boreham (Boreham Aerodrome) | ... | ... | ... | ... | 80 |
| Chignal (Bedells Cross) | ... | ... | ... | ... | 3 |
| Great Leighs (Boreham Aerodrome) | ... | ... | ... | ... | 104 |
| Roxwell (Boyton Cross Military Camp) | ... | ... | ... | ... | 34 |
| (Roxwell Labour Camp) | ... | ... | ... | ... | 11 |
| Little Waltham (Boreham Aerodrome) | ... | ... | ... | ... | 56 |
| Danbury (Giberacks) | ... | ... | ... | ... | 38 |
| TOTAL | ... | ... | ... | ... | 326 |

The following tabular statement gives details of the housing work carried out during the year.

| | |
|---|------------|
| 1. <i>Inspection of Dwelling Houses during the year :—</i> | |
| (1) (a) Total number of dwelling-houses inspected for housing defects (under Public Health or Housing Acts) ... | 219 114 |
| (b) Number of Inspections made for the purpose | 871 |
| (2) (a) Number of dwelling-houses (included under sub-head (1) above) which were inspected and recorded under the Housing Consolidated Regulations, 1925 ... | 44 |
| (b) Number of Inspections made for the purpose | 119 |
| (3) Number of dwelling-houses found to be in a state so dangerous or injurious to health as to be unfit for human habitation ... | 15 |
| (4) Number of dwelling-houses (exclusive of those referred to under the preceding sub-head) found not to be in all respects reasonably fit for human habitation ... | 154 |
| 2. <i>Remedy of Defects during the year without Service of Formal Notices :—</i> | |
| Number of defective dwelling-houses rendered fit in consequence of informal action by the Local Authority or their officers ... | 129 |
| 3. <i>Action under Statutory Powers during the year :—</i> | |
| Proceedings under Public Health Acts. | |
| (1) Number of dwelling-houses in respect of which notices were served requiring defects to be remedied ... | 20 |
| (2) Number of dwelling-houses in which defects were remedied after service of formal notices :— | |
| By Owners ... | 28 |
| —Proceedings under Sections 11 and 13 of the Housing Act, 1936. | |
| (1) Number of dwelling-houses in respect of which Demolition Orders were made ... | 13 |
| (2) Number of dwelling-houses demolished in pursuance of Demolition Orders :— | |
| By Owners ... | 7 |

Clearance Area 12: Two cottages, near "The Windmill," South Hanningfield. These two cottages were demolished during the year.

INSPECTION AND SUPERVISION OF FOOD

Milk Supply.

There are 230 registered eowsheds and dairies in the District in whieh milk is produced for sale, a large proportion of whieh are lieensed for the production of Designated Milks by the Essex County Council. In addition, there are 21 dairies used by persons who retail milk purchased from other produeers, and 20 persons who are registered to retail milk within the district, with premises outside the district. These premises have been regularly inspeeted and details of works whieh have been carried out as a result of requests from your Chief Sanitary Inspector's Department in order to improve such premises are shown in the tables on pages 30 and 32.

26 lieenees were granted under the Milk (Speeial Designations) Regulations 1936/46.

Meat and Other Foods.

All animals are at present slaughtered in slaughterhouses outside the District. Meat exposed for sale or deposited for manufacture in premises within the district is regularly inspeeted.

The following were eondemned as unfit for human eonsumption :—

1 tin of Apples, 1 tin of Apricots, $2\frac{3}{4}$ lbs. of Bacon, 3 tins of Baked Beans, 23 packets of Barley Pudding Mixture, 7 tins of Beetroot, 1 tin of Boneless Chicken, 3 tins of Carrots, 28 paeket Cheeses, 3 tins of Cod Liver Rose Paste, 212 lbs. of Coarse Oats, 9 tins of Condensed Milk, 93 6 lb. tins of Corned Beef, 34 12 oz. tins of Corned Beef, 1 tin of Damsons, 78 tins of Evaporated Milk, 1 tin of Fruit Coektails, 10 tins of Grapefruit, 1 tin of Grapefruit Juiee, 1 tin of Irish Stew, 2 tins of Jam, 28 lbs. of Kippers, 1 bottle of Lemon Drink, 2 tins of Macedoine, 5 tins of Mandarin Oranges, 22 tins of Marmalade, 2 lbs. of Marmalade, 1 bottle of Marmite, 604 lbs. of Meat, 2 tins of Meat Lunch, 6 tins of Mincd Loaf, 3 tins of Mineemeat, 1 tin of Grapefruit Juice, 21 tins of Orange Juice, 2 tins of Peaches, 6 tins of Pears, 27 tins of Peas, 5 jars of Piekled Onions, 6 tins of Pilehards, 1 tin of Pineapple, 12 tins of Plums, 1 tin of Pork Luncheon Meat, 6 lbs. of Potatoes, 1 tin of Prunes, 2 jars of Red Cabbage, 72 lbs. of Rolled Oats, 1 tin of Sardines, 1 tin of Sausages, 5 tins of Silver Hake, 12 tins of Soup, 5 tins of Spaghetti, 2 tins of Steak and Kidney Pudding, 4 tins of Stewed Steak, 3 lbs. of Sweets, 416 lbs. of Tomatoes, 1 tin of Veal Loaf.

TOWN PLANNING

By agreement, several Local Authorities in the Mid-Essex area, including Chelmsford Rural District Council, delegated their powers in connection with the preparation of Town Planning Schemes to the Mid-Essex Regional Planning Committee, and the agreement came into force on 1st April, 1933.

PREVALENCE AND CONTROL OVER INFECTIOUS DISEASES

Infectious Diseases Generally

There were 623 cases of infectious diseases (exclusive of Tuberculosis) notified during the year as compared with 222 for the previous year, the increase being due to outbreaks of measles and whooping cough.

Apart from cases of measles and whooping cough, there were 27 cases of infectious diseases notified compared with 42 in the previous year. Further details of the incidence of notifiable infectious diseases classified according to age and locality is given in the tables on pages 41 and 43.

A number of persons who may have been in contact with smallpox came into the District but fortunately no case occurred. ~~during the year.~~

TABLE SHOWING LOCAL DISTRIBUTION OF CASES
NOTIFIED DURING THE YEAR.

The immunisation of children against diphtheria was continued during the year. The prophylactic used throughout was A.P.T.

The immunisation is continuing and it is hoped that parents will take more advantage of the facilities provided for protecting their children against such a serious disease as Diphtheria.

It is satisfactory to note that no case of Diphtheria occurred during the year.

Much assistance in connection with diphtheria immunisation was given by the Health Visitors and Teachers, but even with this co-operation it is unfortunate that the number of parents availing themselves of the service had declined slightly. Detailed particulars of the position at 30th June 1948 is shown in the tables on pages 44 and 45.

Scabies. During the year cases were treated at St. John's Hospital in addition to those treated at home.

TUBERCULOSIS.

The following table gives particulars of new cases of Tuberculosis and deaths during the year.

| Age Periods | *New Cases | | | | Deaths | | | |
|-------------------|-------------|----|-----------------|----|-------------|----|-----------------|----|
| | Respiratory | | Non-Respiratory | | Respiratory | | Non-Respiratory | |
| | M. | F. | M. | F. | M. | F. | M. | F. |
| Under 1 ... | — | — | — | — | — | — | — | — |
| 1—5 ... | — | — | 2 | — | — | — | — | — |
| 5—10 ... | — | — | — | — | — | — | — | — |
| 10—15 ... | — | — | 2 | — | — | — | — | — |
| 15—20 ... | 2 | 1 | 1 | — | — | — | — | — |
| 20—25 ... | 2 | 2 | — | — | — | — | — | — |
| 25—35 ... | 5 | 1 | 2 | — | 2 | — | 1 | — |
| 35—45 ... | 2 | 1 | 1 | 1 | 1 | — | — | — |
| 45—55 ... | 4 | — | — | — | 1 | — | — | — |
| 55—65 ... | 3 | 2 | — | — | 1 | 1 | — | — |
| 65 & over ... | — | — | — | — | — | — | — | — |
| TOTALS ... | 18 | 7 | 8 | 1 | 5 | 1 | 1 | — |

*Not including cases of tuberculosis removed into the district during the year, which had been previously notified elsewhere.

NOTIFIABLE DISEASES DURING THE YEAR.

| Notifiable Disease | Total Cases Notified | Under 1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-10 | 10-15 | 15-20 | 20-35 | 35-45 | 45-65 | 65 and over | Cases admitted to Hospital | Total Deaths |
|---------------------------|----------------------|---------|-----|-----|-----|-----|------|-------|-------|-------|-------|-------|-------------|----------------------------|--------------|
| Catarrhal Jaundice ... | ... | 1 | — | — | — | — | — | — | 1 | — | — | — | — | — | — |
| Dysentery ... | ... | 1 | — | — | — | 1 | — | — | — | — | — | — | — | 1 | — |
| Erysipelas ... | ... | 2 | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Food Poisoning ... | ... | 1 | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Measles ... | ... | 352 | 7 | 30 | 28 | 39 | 43 | 180 | 17 | 1 | 1 | 5 | 1 | — | 8 |
| Meningococcal Septaæcemia | ... | 1 | — | — | — | 1 | — | — | — | — | — | — | — | — | 1 |
| Pneumonia ... | ... | 5 | — | — | — | — | — | 2 | 1 | — | — | 1 | — | 1 | — |
| Scarlet Fever ... | ... | 16 | — | 2 | — | — | 1 | 8 | 3 | 1 | — | 1 | — | — | 8 |
| Whooping Cough ... | ... | 244 | 19 | 21 | 29 | 30 | 43 | 94 | 3 | 1 | 3 | — | — | 1 | 5 |
| TOTALS | ... | 623 | 26 | 53 | 57 | 70 | 88 | 284 | 24 | 4 | 4 | 9 | 2 | 2 | 25 |

Diphtheria immunisation in relation to child population.

| | | Number of children who had completed a full course of immunisation at any time up to 30th June, 1948. | | | | | | |
|---|-----|---|------|------|------|------|-----------|-----------|
| | | Under 1 | 1 | 2 | 3 | 4 | 5 to 9 | 10-14 |
| Age at 31.12.48 | | 1948 | 1947 | 1946 | 1945 | 1944 | 1939-1943 | 1934-1938 |
| Age at 31.12.48 <i>i.e.</i> Born in year | ... | | | | | | | |
| Number immunised | ... | 11 | 125 | 301 | 309 | 314 | 2,095 | 1,937 |
| Number of births during year | ... | 726 | 770 | 693 | 693 | 586 | 2,677 | 2,266 |
| Estimated mid-year population, 1948 | ... | | | | | | | |
| Percentage of children immunised | ... | | | | | | | |

DIPHTHERIA NOTIFICATIONS AND DEATHS IN RELATION TO IMMUNISATION

| Age at date of Notification | Number of Cases Notified | NOTIFICATIONS | | DEATHS |
|--------------------------------|-----------------------------|---|----------------------|--------|
| | | Number of cases included in preceding column in which the child had com- pleted a full course of immunisation | Age at date Death | |
| Under 1 | — | — | Under 1 | — |
| 1 | — | — | 1 | — |
| 2 | — | — | 2 | — |
| 3 | — | — | 3 | — |
| 4 | — | — | 4 | — |
| 5 to 9 | — | — | 5 to 9 | — |
| 10 to 14 | — | — | 18 to 14 | — |
| Totals | Nil | Nil | Totals | Nil |

ADMINISTRATION OF THE FACTORIES ACT, 1937.1.—INSPECTIONS for the purpose of provisions as to health.
Including inspections made by Sanitary Inspectors.

| Premises | Number on Register | Number of | | |
|--|--------------------------|------------------|--------------------|-------------------------|
| | | Inspec- tions | Written Notices | Occupiers Prosecuted |
| (i) Factories in which Sections 1, 2, 3, 4 and 6 are to be enforced by Local Authorities | 80 | 70 | 7 | — |
| (ii) Factories not included in (i) in which Section 7 is enforced by the Local Authority ... | 85 | 65 | 1 | — |
| (iii) Other Premises in which Section 7 is enforced by the Local Authority (excluding out-workers' premises) ... | — | 1 | — | — |
| TOTAL ... | 165 | 136 | 8 | — |

2.—CASES IN WHICH DEFECTS WERE FOUND.

| Particulars | Number in which defects were found | | | | Number of Cases in which Prosecutions were Instituted |
|---|------------------------------------|----------|----------------------------|-------------------|---|
| | Found | Remedied | Referred to H.M. Inspector | by H.M. Inspector | |
| Want of Cleanliness (S.1.) | — | — | — | — | — |
| Overcrowding (S.2.) ... | — | — | — | — | — |
| Unreasonable Temperature (S.3) ... | — | — | — | — | — |
| Inadequate Ventilation (S.4.) ... | — | — | — | — | — |
| Ineffective Drainage of Floors (S.6.) ... | — | — | — | — | — |
| Sanitary Conveniences | Insufficient ... | — | — | 2 | — |
| | Unsuitable or ... | 8 | — | — | — |
| | Defective ... | — | — | — | — |
| (S.7.) | Not separate for sexes ... | — | — | — | — |
| Other Offences against the Act (not including offences relating to outwork) | ... | — | — | — | — |
| TOTAL ... | 8 | — | — | 2 | — |

OUTWORK

| Nature of Work (1) | Section 110 | | Section 111 | |
|----------------------------------|--|--|--|---|
| | No. of out-workers in August list required by Sect. 110 (1) (c) (2) | No. of cases of default in sending lists to the Council (3) | No. of prosecutions for failure to supply lists (4) | No. of instances of work in unwholesome premises (5) |
| Wearing apparel—Making, etc. ... | 4 | — | — | — |
| Feather sorting | 4 | — | — | — |
| TOTAL | 8 | — | — | — |

PETROLEUM LICENCES IN FORCE DURING 1948

| Name of Licensee | Parish | Storage in Gallons |
|--|--------------------|--------------------|
| Carters (Great Baddow) Ltd. ... | Great Baddow | 500 |
| E.C.C. (Weights & Measures Dept.) ... | „ „ | 500 |
| Jackson, W.A. ... | „ „ | 1,800 |
| Marven, D. & Co. ... | „ „ | 300 |
| National Parcels & Goods Services ... | „ „ | 500 |
| Rand Bros., Ltd. ... | „ „ | 1,000 |
| Shipp, J. H. ... | „ „ | 1,000 |
| Taylor, W. L. ... | „ „ | 500 |
| Thomas & Evans Ltd. ... | „ „ | 500 |
| Waskett, W. A. ... | „ „ | 1,000 |
| English Timber Supply Co. (Essex) Ltd. ... | Little Baddow | 500 |
| Co-Partnership Farms Ltd. ... | Boreham | 500 |
| Graham, J. ... | „ | 2,000 |
| Hodgkin & Marshall, Ltd. ... | „ | 250 |
| Mouser, J. J. ... | „ | 500 |
| Seabrook & Sons, W. Ltd. ... | „ | 300 |
| Seabrook & Sons, W. Ltd. ... | „ | 300 |
| Day, J. ... | Broomfield | 3,000 |
| Harris, W. ... | „ | 300 |
| Staeeey, S. C. ... | „ | 250 |
| Stubbings, C. ... | „ | 500 |
| Stubbings, W. J. ... | „ | 300 |
| Ashdown, F. H. ... | Danbury | 1,000 |
| Baxter, G. L. Ltd. ... | „ | 500 |
| Christmas, W. T. ... | „ | 500 |
| Clark, A. ... | „ | 250 |
| Doe, P. ... | „ | 500 |
| Morse, M. R. ... | „ | 1,000 |
| Tuker, G. E. ... | „ | 500 |
| Upson, E. S. ... | „ | 250 |
| Vale, G. ... | „ | 1,300 |
| Wakefield, H. ... | „ | 300 |
| Marriage, L. ... | Good Easter | 500 |
| Matthews, Mrs. E. G. ... | „ | 500 |
| Matthews, J. A. ... | „ | 250 |
| Milbank, E. G. ... | „ | 1,000 |
| Ruekert, J. E. ... | „ | 200 |
| Speller, E. H. ... | „ | 100 |
| Gordon, S. ... | East Hanningfield | 100 |
| Pudney, J. B. ... | „ „ | 500 |
| Jones, O. E. ... | South Hanningfield | 1,000 |
| Watts, E. E. ... | „ „ | 1,000 |
| Warder, G. W. C. ... | „ „ | 500 |
| Gaymer, R. C. ... | Ingatestone | 500 |
| Green, T. ... | „ | 500 |
| Hasler & Co. Ltd. ... | „ | 1,000 |
| Hawkes, J. W. ... | „ | 2,200 |
| Moy, T. Ltd. ... | „ | 500 |
| Pudney, W. & A. ... | „ | 500 |
| Westle, J. E. ... | „ | 1,500 |
| Lagden, H. ... | Great Leighs | 600 |
| Seabrook & Sons, W. Ltd. ... | „ | 300 |
| | Carried forward | |
| | | 35,650 |

| Name of Licensee | Parish | Storage in Gallons |
|-------------------------------------|---------------------|--------------------|
| Neild, W. C. | Brought forward ... | 35,650 |
| Sidgwick, J. E. | Great Leighs | 250 |
| Whitworth, J. | ” ” | 400 |
| Wright, J. S. | ” ” | 400 |
| Seabrook, W. & Sons, Ltd. ... | Little Leighs | 250 |
| Farrow, C. A. R. | Margaretting | 300 |
| Leech, N. H. | ” ” | 1,500 |
| Magness, J. R. & Sons, Ltd. ... | Mashbury | 500 |
| Matthews, J. | Mountnessing | 500 |
| Cotton, J. R. | ” | 2,300 |
| Eniffer, F. C. | ” | 500 |
| Kean, G. | ” | 1,500 |
| King, A. & Son | Pleshey | 300 |
| Knight, H. G. | Rettendon | 500 |
| Bevan, A. W. | ” | 1,000 |
| Bright, W. A. | ” | 1,000 |
| Broadway, F. W. G. | ” | 1,500 |
| Cooper, W. | ” | 400 |
| Duncan, J. N. | ” | 500 |
| Smith, G. W. | Roxwell | 500 |
| Day, S. | ” | 1,000 |
| Boyton Hall Farms, Ltd. ... | ” | 500 |
| Torrance, M. | ” | 500 |
| Runwell Hospital ... | Runwell | 500 |
| Warren, A. | ” | 1,000 |
| Barr, J. | Sandon | 2,500 |
| Sandon Egg Farms Ltd. ... | ” | 500 |
| Magness, J. R. & Sons, Ltd. ... | Springfield | 300 |
| Hilder, T. M. | Stock | 500 |
| Lyster, L. C. | ” | 250 |
| Sargent, W. H. | ” | 1,500 |
| Bartrupt, C. & Son ... | Great Waltham | 500 |
| Bartrupt, L. | ” ” | 500 |
| Cass, J. | ” ” | 250 |
| Readhead, H. | ” ” | 1,300 |
| Rogers, F. & Sons ... | ” ” | 500 |
| Rowe, J. O. | ” ” | 200 |
| Seabrook, E. | ” ” | 500 |
| Sterling Poultry Products, Ltd. ... | ” ” | 300 |
| Amos, E. W. | Little Waltham | 400 |
| Day, A. | ” ” | 1,000 |
| Smith, S. C. | ” ” | 2,500 |
| Poulton, W. W. | ” ” | 500 |
| Cribbs, G. | Woodham Ferrers | 1,500 |
| Rush, W. A. | ” ” | 2,000 |
| Slater, R. H. | ” ” | 1,500 |
| Swan, M. G. | ” ” | 250 |
| Adams, W. H. | Writtle | 1,000 |
| Bucknell, J. N. | ” ” | 250 |
| Hodge, J. | ” ” | 500 |
| Lowe, A. A. | ” ” | 500 |
| Mallett, E. B. | ” ” | 500 |
| Pudney, W. T. | ” ” | 500 |
| Preston, H. S. H. | ” ” | 1,000 |
| Riehardison, J. H. | ” ” | 1,000 |
| | Grand Total ... | 77,900 |

| | | |
|---|-----|--------|
| Total number of Licences in force in 1944 | ... | 54 |
| ,, ,, ,, ,, ,, ,, 1945 | ... | 87 |
| ,, ,, ,, ,, ,, ,, 1946 | ... | 85 |
| ,, ,, ,, ,, ,, ,, 1947 | ... | 93 |
| ,, ,, ,, ,, ,, ,, 1948 | ... | 107 |
| Total Storage for 1944 | ... | ... |
| ,, ,, 1945 | ... | ... |
| ,, ,, 1946 | ... | ... |
| ,, ,, 1947 | ... | ... |
| ,, ,, 1948 | ... | ... |
| | | 77,900 |

Storage of cellulose under licence in respect of three premises was also granted during the year.

RURAL DISTRICT OF CHELMSFORD~

Scale: 3 miles to one inch

AREA:

86,590 acres



